

19980329.qrp v01_n044.qrs.980329

Date: Sun, 29 Mar 1998 19:03:12 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1044

QRP-L Digest 1044

Topics covered in this issue include:

- 1) [7093] Re: TOWER WOES
by Jack Parker <Pparker@greatbasin.net>
- 2) [7094] Re: contest
by Mike - W0TMW <crucis@sky.net>
- 3) [7095] Re: Why not needle nose pliers?
by Mike - W0TMW <crucis@sky.net>
- 4) [7096] re: HR Mag query
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 5) [7097] radio havana cuba
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 6) [7098] Re: Ham Radio Mag Query
by Chris Trask <ctrask@primenet.com>
- 7) [7099] Grounding dipole
by Greg & Rosemarie Gryckiewicz <rfg@acsu.buffalo.edu>
- 8) [7100] Bug Stories
by Jess Gypin <jessqrp@concentric.net>
- 9) [7101] Arnie Coro's program (C02KK)
by af852@rgfn.epcc.edu (William R Colbert)
- 10) [7102] Portland Electronics Suppliers?
by wb8ygg@juno.com
- 11) [7103] Re: Mobile noise
by MSU1972 <MSU1972@aol.com>
- 12) [7104] Component Bender.....
by Walt Amos <waltk8cv@ameritech.net>
- 13) [7105] Mobile Interference
by Tracy@bytemark.com (Tracy)
- 14) [7106] Re: Grounding dipole
by Ed Tanton <n4xy@att.net>
- 15) [7107] RE: Walking Stick Antenna
by "Joe E. Eder" <joe_eder@compuserve.com>
- 16) [7108] QRPTTF
by "Charles L. Stackhouse" <cstack@safelink.net>
- 17) [7109] Re: Grounding dipole
by "George T. Baker" <w5yr@swbell.net>
- 18) [7110] Re: Grounding dipole
by Mike Souhrada <wb9iog@revealed.net>
- 19) [7111] Re: Component bender !

- by ROYGREGSON <ROYGREGSON@aol.com>
- 20) [7112] Re: WTS(wap) Turbine and constant speed drive for R390A
by "Bob Duckworth" <wb4mnf@atl.org>
- 21) [7113] Radio Havana and the Islander
by Bill Meara <wmeara@erols.com>
- 22) [7114] Re: Mobile Interference
by Michael Neverdosky <MichaelN@cycat.com>
- 23) [7115] More leadbending
by "Dennis Payton" <dpayton@fwi.com>
- 24) [7116] Re: WTS(wap) Turbine and constant speed drive for R390A
by Bob Roach <KE4QOK@worldnet.att.net>
- 25) [7117] Book For Sale (separated)
by "Tim Cook" <timcook@erinet.com>
- 26) [7118] Re: Portland Radio Stores
by DYARNES <DYARNES@aol.com>
- 27) [7119] QRP+ Attenuator switch
by peter barville <peter@barville.demon.co.uk>
- 28) [7120] Re: Grounding dipole
by Ed Manuel <n5em@flash.net>
- 29) [7121] RE: Mobile Interference
by Tracy@bytemark.com (Tracy)
- 30) [7122] R-2 Front End Comments and Suggestions
by "James R. Duffey" <ji3m@maxwell.com>
- 31) [7123] Fw: Book For Sale (separated)
by "Tim Cook" <timcook@erinet.com>
- 32) [7124] Re: Fw: FT-243 XTAL Socket.
by KB9JJA QRP Account <qrp@thekeep.mcs.accessus.net>
- 33) [7125] 38 Special Problem
by Kevin Walker <KB9NUN@compuserve.com>
- 34) [7126] Re: Fw: FT-243 XTAL Socket.
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 35) [7127] Re: Mobile Interference
by "Bruce Barley" <lbbbarley@feist.com>
- 36) [7128] Books Gone!!!
by "Tim Cook" <timcook@erinet.com>
- 37) [7129] Re: Observations: HW CPY?
by talljazz@teleport.com (Dan Presley)
- 38) [7130] Re: Mobile Interference
by Monte Stark <ku7y@dri.edu>
- 39) [7131] GM-15
by tom whalen <whalen@swcp.com>
- 40) [7132] Solomon Islands
by "Charles L. Stackhouse" <cstack@safelink.net>
- 41) [7133] TenTec/Arg. 509
by engineering <clinco@bellsouth.net>
- 42) [7134] Re: 38 Special Problem
by Paul Harden <pharden@aoc.nrao.edu>
- 43) [7135] QRP Plus for sale

- by K6MW@worldinfonet.com
- 44) [7136] Pblm with Sierra 15m module...
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 45) [7137] New bug story
by Jess Gypin <jessgrp@concentric.net>
- 46) [7138] Lead Bending
by "Dennis B. Dolle" <dolledb@cet.com>
- 47) [7139] Re: Pblm with Sierra 15m module...
by Frank <frank001@postoffice.worldnet.att.net>
- 48) [7140] [Fwd: Virus Alert]
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 49) [7141] TIXIE Power out is 5mW
by wa8rxi@juno.com (Rick Arzadon)
- 50) [7142] re: virus alert
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 51) [7143] Hamboree 20/Dakota/Midwest Convention
by jerrydeen@juno.com (Gerald A Huldeen)
- 52) [7144] Re: Ham Radio Mag Query
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 53) [7145] grounding dipoles that use ladder feedline
by Greg & Rosemarie Gryckiewicz <rfg@acsu.buffalo.edu>
- 54) [7146] SSB Contest
by Steven Weber <kd1jv@moose.ncia.net>

Date: Sat, 28 Mar 1998 16:05:21 -0800
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [7093] Re: TOWER WOES
Message-ID: <3.0.1.32.19980328160521.0068bdfc@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:28 PM 3/28/98 EST, you wrote:

>Hi Gang -

>

>This rather long sad story is related to QRP in that everyone agrees how
>important to your QRP'ing your antenna is.

>

>I would like to put up a tower and a 10M-15M-20M beam in my back yard.

>However, in the county of Santa Barbara where I live it costs as much or more
>for a "Conditional Use" permit - about \$1650.00-

<snip>

>

>73's es 72's de Denny / KF6NJQ

>

>Denny / KF6NJQ

Denny,

I would strongly suggest that you visit the ARRL web page:

<http://www.arrl.org>

What your county is doing sounds like they are wholly non-compliant with current FCC regulations pertaining to antenna installations. The ARRL page has links to the FCC and other resources that will be of help to you.

72/73,

Jack Parker, W7PW

QRP-L #1310; 10GHz VUCC #3 (QRPp); 50MHz WAS (QRP); SMIRK #3335; ARRL Life Member DM-09

Immediate past-president: Astronomical Society of Nevada; Member:
Astronomical Society of the Pacific

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

Date: Sat, 28 Mar 1998 18:06:15 -0600
From: Mike - W0TMW <crucis@sky.net>
To: mike@krypton.nmr.Hawaii.Edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7094] Re: contest
Message-ID: <351D9077.290384F1@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike W. Burger wrote:

>

Snip!

> BTW, my Kenwood 570D measures about the same output when set to 10 watts

> as the Alinco DX70t does when set to 5 watts, anyone with a decent watt
> meter ever measure the power output of the lower power settings on a 570D?

My TS-570S shows 4.5 watts out on the "5 watt" setting, and a hair under
10 watts on the "10" setting.

Mike - W0TMW

--

```
=====
Mike Watson, W0TMW,          QCWA Mbr # 28651, Chap. 35
Raymore, MO USA             Grid: EM28st
http://www.sky.net/~crucis
E-mail: crucis@sky.net      ARS# 352, QRP-L# 1489
=====
```

Date: Sat, 28 Mar 1998 18:21:54 -0600
From: Mike - W0TMW <crucis@sky.net>
To: wb4mnf@atl.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7095] Re: Why not needle nose pliers?
Message-ID: <351D9422.2409E7B4@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I can make a perfect right angle bend using my thumbnail---no nicks or
scrapes either. :-)

Miek - W0TMW

Bob Duckworth wrote:

>
> Why not fingers?
> Use the edge of the same rule you
> use to measure length to bends.
>
> Or are we talking production work????
> -bob
> wb4mnf

--

```
=====
Mike Watson, W0TMW,          QCWA Mbr # 28651, Chap. 35
Raymore, MO USA             Grid: EM28st
```

<http://www.sky.net/~crucis>

E-mail: crucis@sky.net ARS# 352, QRP-L# 1489

=====

Date: Sun, 29 Mar 1998 00:23:27 -0500

From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>

To: qrp-l@Lehigh.EDU

Subject: [7096] re: HR Mag query

Message-ID: <3.0.16.19980329002321.2dcfbb5c@som-uky.campus.mci.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Looks like the first issue was probably March 1968.

Thanks to all who responded.

Now back to my stack O' mags.

Research... it's qrp... trust me.

Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>

The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sun, 29 Mar 1998 01:02:41 -0500

From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>

To: qrp-l@Lehigh.EDU

Subject: [7097] radio havana cuba

Message-ID: <3.0.16.19980329010156.089fc092@som-uky.campus.mci.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Radio Havana will be on 6.000, 9.820, and

9.830 Mhz 0100-0300 ut this evening.

At 0100 there was mention of the upcoming dx

unlimited program. Not sure what time it airs though.

Sri if this info is redundant... thought I'd put it out
there just in case.

Rich

Rich Dailey, KA80KH <ka8okh@som-uky.campus.mci.net>
The KA80KH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sat, 28 Mar 1998 19:34:29 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7098] Re: Ham Radio Mag Query
Message-ID: <Pine.BSI.3.96.980328193342.23225A-100000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 28 Mar 1998, Rich Dailey, KA80KH wrote:

```
> Trust me, this is qrp related. In what year did Ham Radio
> Magazine begin publication?
> HR's all over my shack... what a mess.
>
```

Ham Radio began publication with the March 1968 issue and ended with June 1990. Damned good magazine.

```

      ,-----'
    /   What's all this   \
  /   extinct stuff, anyhow?  /
 \   -----,-----'
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Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
ORP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sat, 28 Mar 1998 21:37:03 -0500
From: Greg & Rosemarie Gryckiewicz <rfg@acsu.buffalo.edu>
To: qrp-1@Lehigh.EDU
Subject: [7099] Grounding dipole
Message-ID: <351DB3CE.2A13@acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Any tips on how to ground a dipole using ladder feedline???
73, Greg N2DYT

Date: Sat, 28 Mar 1998 20:11:46 -0700
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@Lehigh.EDU
Subject: [7100] Bug Stories
Message-ID: <351DBBF2.365E2C2@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

I have put up a not so sophisticated web page for the bug stories. I have been collecting the stories from the list and finally had enough for mass reading. The URL is
<http://www.qsl.net/n0tqi/bug.html>

If any of you have any more stories that you would like to contribute, let me know and I will drop them on to the web page. This web page is nothing fancy and has replaced the fox audio file fox page. Let me know what you think, it is just something that I have thrown together to get the stories out there.

Best

--
Jess N0TFI <><
<http://www.concentric.net/~jessqrp> Personal Home page
<http://qsl.net/N0TFI> Fox Audio Page

Date: Sat, 28 Mar 1998 19:48:12 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [7101] Arnie Coro's program (C02KK)
Message-ID: <199803290248.TAA26859@rgfn.epcc.edu>

Thanks Paul for the reminder. I used to listen to Arnie in years past and had forgotten the times/type of program. I listened tonite and altho he did not have the 2n2222 project info, it was still a very interesting program. Had a little item about a cheapie attenuator that might be of use to those with little receivers that are suffering overload from the big broadcasters. Arnie gave the web location for Radio Habana as : <http://www.radiohc.org> and Arnies page is DXer's Unlimited. He has a listing going back to Last December of his programs, plus a listing of special report items.. Additionally, he has another program on Tuesdays (local) or Wednesday UTC at 0135, 0335 on 6000 and 9820, probably a few other freqs too. 15 minutes of amateur, sw, propagation related info.

Oh yes, Nils, NSA is at Ft. Meade, Md and C1A is at Langley, Va. Don't know if they still have the mail drop there or not. Hi!

73 Ray

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzn.com)

Date: Sat, 28 Mar 1998 20:54:38 -0500
From: wb8ygg@juno.com
To: qrp-1@Lehigh.EDU
Subject: [7102] Portland Electronics Suppliers?
Message-ID: <19980328.205438.10998.0.wb8ygg@juno.com>

Any Electronics supply stores that are in Portland Oregon?

I may have to be there on a saturday.
Regards, Brad

WB8YGG

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 28 Mar 1998 22:53:17 EST
From: MSU1972 <MSU1972@aol.com>
To: bcrow@Carte.Net
Cc: qrp-1@Lehigh.EDU
Subject: [7103] Re: Mobile noise
Message-ID: <e6da4f43.351dc5b0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Can only tell you I've done alot of experimenting with my Yaesu FT-840 and Hamsticks.
I get a new company car often and know folks in the auto industry to borrow cars for a day...here's the unscientific results...

Ford's generated an average noise level of S-7 (unusable)
GM's generated an average noise level of S-5 (OK, except when weak signals change as does your location)
Chrysler's generated near 0 (1or2 at the most)

I now drive a Caravan with the FT-840 and LDG AT-11 auto tuner...Hamstick mount on the great Diamond Hatchback mount (mounts almost anywhere) with quick release couplers on the Hamsticks.

Clean, efficient and love DXing with this config.

David, KB8OCC

Date: Sun, 29 Mar 1998 03:08:17 +0000
From: Walt Amos <waltk8cv@ameritech.net>
To: Qrp-1 List <qrp-1@Lehigh.EDU>

Subject: [7104] Component Bender.....
Message-ID: <351DAD11.23946A07@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A ham friend gave me mine! It looks like a caliper and has two points that are set able that you put into the holes on the board and that sets the gap and you tighten the little plastic screw and it holds for all your bending.

It is called a " ComFormI and has pat.no. 3,612,112 for those that want to use there search engine to find the patent :-)

Sure makes a commercial looking KIT!

Walt k8cv

Date: Sat, 28 Mar 1998 23:38:21 -0500
From: Tracy@bytemark.com (Tracy)
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [7105] Mobile Interference
Message-ID: <01BD5AA3.20A07E40.tracy@bytemark.com>

I've been reading the various posts regarding the reduction of interference generated by the automobile systems. Hang it up.

The problem, on most new vehicles, is the various computers in and about the vehicles systems. Anti-lock breaks, fuel injectors and timing. More and more these circuits are controlled by computerized circuitry. Some of today's vehicles have entirely microprocessor controlled electrical and gauging systems.

I've been working with several manufacturers of these computers and the automobile manufacturers in trying to eliminate interference to various communications devices mounted in today's vehicles. The big trucks (dump trucks, semi's) are the worst offenders.

What we've come up with is a series of special cores and rubber gaskets impregnated with cintered ferrite. Marginal success at best ... These computers are rich in harmonic emissions. Many times the offending frequency is actually within the bandwidth of the affected receiver, rendering filtering almost useless.

The best suggestion I can make is to identify all the microprocessor devices functioning in your vehicle, and locate all the leads connecting to them. Ferrite the daylight's out of the leads with mixes optimized to absorb the frequencies giving you the most trouble. Also, bandpass filters, notch filters and the like can (and sometimes need to) be inserted in the antenna feed line to improve rejection.

My neighbor has a dump truck that has a fuel injection computer that puts out a signal on 27.188 MHz. It pegs my field strength meter at ten feet. Imagine the demeanor of a trucker that has 30 over s9 all the time on channel 19 ... You'd think that a company like Mac would have thought of that.

We cut all the leads to and from the fuel injector controller and put lots of turns on lots of ferrite, with little success. After insulating the injection controller electrically from the chassis, and providing a great deal of choking from power and ground, we were able to reduce the signal by 40dB. So now he has an s8 squelch ...

When all was done, he had invested over \$50 in ferrite and a day's worth of my time. Hardly worth cussing at another trucker for a lane change ... grin.

Tracy, N4LGH
#1453

Date: Sat, 28 Mar 1998 23:35:22 -0500
From: Ed Tanton <n4xy@att.net>
To: rfg@acsu.buffalo.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [7106] Re: Grounding dipole
Message-ID: <3.0.1.32.19980328233522.00a25228@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As long as there is no DC current on your line (such as is sometimes used [usually w/coax tho] to switch a switch up at the feedpoint or whatever) you could put a couple of pi-wound 2.5mH RF chokes directly to ground on each side where it connects to your balun/ant tuner. I wouldn't be comfortable running any REAL power by it-although it SHOULD be OK. And if it's outside you'll have to seal it in epoxy or electronic grade RTV. I might seal it anyway... the single greatest danger it faces is arcing between windings-and that would be the result of either too much voltage on the line (very high SWR) or moisture really reducing the insulation's value as a non-conductor.) There might be enough capacitance in the windings to

From: "Charles L. Stackhouse" <cstack@safelink.net>
To: <vole@primenet.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [7108] QRPTTF
Message-ID: <19980329045755792.AAA74@safelink.safelink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

To: Joe Gervais, AB7TT

Dear Joe,

I hope to operate in the QRPTTF Contest. I live in Southern Idaho and believe I can get to within 2.1 miles of the "Three Corners" where Idaho, Utah, and Nevada join. Assuming my work schedule allows me to participate, I would take my truck camper and see just how close I could get. The working variables here are the water depth at several fords, the presence and depth of the mud, the weather, and whether I can find any junipers tall enough to string wire from. This is a remote and very sparsely populated area to say the least. Is there a role for common sense here?

How close is "close enough" to claim border operation. How about being able to see into the adjoining state? How about a long rifle shot? How about leaving the topo maps home and guessing my location? Maybe I should forget Nevada and park at the Idaho-Utah border. How about postponing the contest until the 4wd jeep trails are passable?

My planned station is an Argonaut 515 with OHR SCAF filter, battery in the camper with solar panel recharge, wire antennas in the low juniper trees (few higher than 10 feet).

73, Charlie WA2IPZ QRP-L #362

Date: Sat, 28 Mar 1998 23:12:29 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: rfg@acsu.buffalo.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7109] Re: Grounding dipole
Message-ID: <351DD83D.5C5AF77@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For what purpose(s)?

Greg & Rosemarie Gryckiewicz wrote:

>

> Any tips on how to ground a dipole using ladder feedline???

> 73, Greg N2DYT

--

72/73, George
Amateur Radio W5YR (since 1946)
QRP-L #1373 QRP ARCI #9583
AutoPOWER Systems
Fairview, TX (30 Mi. N. of Dallas, TX)

Date: Sat, 28 Mar 1998 23:23:17 -0600
From: Mike Souhrada <wb9iog@revealed.net>
To: rfg@acsu.buffalo.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7110] Re: Grounding dipole
Message-ID: <351DDAC5.5602@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greg & Rosemarie Gryckiewicz wrote:

>
> Any tips on how to ground a dipole using ladder feedline???

> 73, Greg N2DYT

Greg

I suspect a few of us are confused by the question.

1. Grounded when not in use?

Suggest you use one of the old style knife switch to ground out both lines when not in service.

2. Possibly you mean for lightening protection?

I have a similar question on this point. I remember the older ARRL books showing a gap type discharge with three points very close together. Two attached to the ladder and a center diamond to ground. Should provided discharge protection.

I'm so used to the Blitz Bug type protection had to re think this preventive measure.

Answer the question?

Mike

Le Claire, Ia

Date: Sun, 29 Mar 1998 03:55:49 EST
From: ROYGREGSON <ROYGREGSON@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [7111] Re: Component bender !
Message-ID: <cc2e0b96.351e0c97@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Per Mouser catalog # 593 page 328, P/N 5166-801 at 2.94 ea. is a lead bender for 1/4 and 1/2 watt, and P/N 5166-901 is for 1 and 2 watt at 3.54 in single qty's.

But it is a nice tool makes things easier to have the leads all the same length. And completely unnecessary for most of us. But having used one in the past, just may have to have one for the tool drawer ! And yes, probably take longer to find it in the tool drawer than just use my fingernail !

72's/73's Roy W6EMT

Date: Sun, 29 Mar 1998 08:28:48 +0100
From: "Bob Duckworth" <wb4mnf@atl.org>
To: "tower" <tower@contesting.com>, "qrp" <qrp-1@Lehigh.EDU>, "baswaplist" <baswaplist@foothill.net>, "vss" <vss@mlist.access.digex.net>
Subject: [7112] Re: WTS(wap) Turbine and constant speed drive for R390A
Message-ID: <199803291114.GAA04522@atl.org>

A quick follow up.

Still not sure what this is except that it runs generator (not included) and so far, 3 guys say it runs off bleed air.
2 guys say it acrually burns fuels. One guy who looked at it identified a part as the "igniter" while another guy who looked at it said it is an "air motor"

The more I look, the more it looks like it runs off air. I'll soon have a photo to email to anyone who is interested din looking at it.

-bob

Date: Sun, 29 Mar 1998 11:48:36 -0400
From: Bill Meara <wmeara@erols.com>
To: qrp-l@Lehigh.EDU
Cc: pharden@aoc.nrao.edu
Subject: [7113] Radio Havana and the Islander
Message-ID: <199803291149.GAA05981@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Paul: FB on the Cuban info. I've been trying to get more info on the "Islander" rig for a long time. Never have seen a schematic. Some Cuban hams have told me that there is a solid state version. I'm told that the design originally came from the Canary Islands.

>

73 de N2CQR
Bill Meara, Falls Church, Virginia
wmeara@erols.com G-QRP #7965
<http://www.mindspring.com/~johnmb/billm.htm>

Date: Sun, 29 Mar 1998 07:07:40 -0500
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [7114] Re: Mobile Interference
Message-ID: <351E398C.B2A85618@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Computers in businesses and homes have to meet standards for radiation, what about computers in vehicles? Anybody know the FCC rules section that would cover this?

Far and away the best place to suppress noise is on the board. By proper layout and bypassing, with on-board filtering, radiation can be greatly reduced. The problem is that this must be done during design of each board.

michael N6CHV

Tracy@bytemark.com wrote:

>

> I've been reading the various posts regarding the reduction of interference
> generated by the automobile systems. Hang it up.

>

> The problem, on most new vehicles, is the various computers in and about the
> vehicles systems. Anti-lock breaks, fuel injectors and timing. More and more
> these circuits are controlled by computerized circuitry. Some of today's
> vehicles have entirely microprocessor controlled electrical and gauging
> systems.

Date: Sun, 29 Mar 1998 01:40:55 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [7115] More leadbending
Message-ID: <199803291254.HAA06034@mail.fwi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

When I first began building, one of my concerns was bending the leads with the right spacing so that I didn't stress the component when mounting it to the board. I began using a small scrap of perfboard to measure between the holes, then using it to bend the leads. I put a lead through the inside hole I measured to, then bend the component flat, bend the other lead over the outside edge of the perfboard, then transfer the part to the circuit board. It's very easy. Odd spacings can be accommodated by tilting the component on the perfboard when bending the leads. (A 3 x 3/4 in. scrap works well.)

Denny Payton, N9JXY

Date: Sun, 29 Mar 1998 12:55:01 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: wb4mnf@atl.org
Cc: qrp-1@Lehigh.EDU
Subject: [7116] Re: WTS(wap) Turbine and constant speed drive for R390A
Message-ID: <19980329125459.AAA13614@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:28 AM 3/29/98 +0100, you wrote:

> Still not sure what this is except that it runs generator (not included)
> and so far, 3 guys say it runs off bleed air.
> 2 guys say it actually burns fuels. One guy who looked at it identified a
> part

>as the "igniter" while another guy who looked at it said it is an "air
>motor"
>
>The more I look, the more it looks like it runs off air. I'll soon have a
>photo
>to email to anyone who is interested in looking at it.

Hi Bob,

Will give you the benefit of my LIMITED knowledge. Bleed air on a jet turbine comes from the high pressure end of the compressor. It is compressed air with no fuel and anything that runs off of this would be a straight up air motor. My guess is that it would use a pretty high volume of air compared to most of the air motors the average person is exposed to.

I work with a gentleman who was a helicopter mechanic for 20 years, if you send the photo I will let him take a look and see what he has to say.

73

Bob

KE4QOK

(o o)

-----o00_()_00o-----
73 es TNX Advanced, VE, QRP-L#1264, AR QRP#83
KE4QOK KE4QOK@worldnet.att.net
Bob ke4qok@juno.com

136 Hermitage Road
Newport News, VA 23606
(757)930-0348

When the student is ready.....
The teacher will appear.

Date: Sun, 29 Mar 1998 08:20:17 -0500
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-l@Lehigh.EDU>
Subject: [7117] Book For Sale (separated)
Message-ID: <002201bd5b15\$6af4a260\$19765acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, it seems no one wanted the books as an entire package, so I have split them up somewhat.

1. Low Profile Amateur Radio by Jim Kearman, KR1S \$6
2. How to get started in QRP by Dave Ingram, K4TWJ \$6

3,4,5 sold together as they all are for the HW-7,8,9: \$25

3. The Hotwater Handbook first edition 1985
4. The Hotwater Handbook first edition 1986
5. The HW-8 Handbook First edition 1991 (also includes HW-9)

All four W1FB Doug DeMaw books for \$25

6. W1FB's Design Notebook 1990
7. QRP Notebook by Doug DeMaw W1FB 1986
8. ARRL electronics data book by Doug DeMaw (W1FB) 1976
9. Solid State Basics for the Radio Amateur by Doug DeMaw and Jay rusgrove 1978

SOLD. QRP Classics by Bob Schetgen KU7G 1990*SOLD***

11. QRP Power by Zack Lau and Joel Kleinman 1996 \$10

All books are in exc to new condition. , Prices include US Mail Book Rate

Date: Sun, 29 Mar 1998 08:35:08 EST
From: DYARNES <DYARNES@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [7118] Re: Portland Radio Stores
Message-ID: <75b4c4f4.351e4e0f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

WB8YGG posted a query about hitting some radio stores in Portland on a Saturday. If you really have some spare time on your hands, my advice--skip the stores, rent a car, and go down the Columbia River Hwy to Multnomah Falls. It's spectacular--the drive and the falls! You might even be able to swing around up to Mt. Hood (Timberline Lodge for a late lunch?) and back to PDX by dinner.

This probably isn't what you wanted to hear, but couldn't resist it. My Oregon roots just keep popping out even though I'm very happy down here in Tucson!

72 de David W7AQK

Date: Sun, 29 Mar 1998 15:47:08 +0100
From: peter barville <peter@barville.demon.co.uk>
To: QRP-L@Lehigh.EDU
Subject: [7119] QRP+ Attenuator switch
Message-ID: <FzGANAAAs7lH1EwnT@barville.demon.co.uk>
MIME-Version: 1.0

Greetings ..

Can anybody tell me whether it is possible to obtain, and if so from where, a replacement attenuator toggle switch for the QRP+ tcvr?

As you will know the switch is pcb mounted, and then attached to the front panel, and ideally needs to be an exact replacement.

Thank you ..

--

For up to date information on QRP Dx operations, and QRP contests:
<http://www.barville.demon.co.uk/qrpinfo.htm>

72, peter g3xjs Please remove "nospam" when replying.
 ie "peter@barville.demon.co.uk"

Date: Sun, 29 Mar 1998 09:17:03 -0600
From: Ed Manuel <n5em@flash.net>
To: rfg@acsu.buffalo.edu
Cc: qrp-l@Lehigh.EDU
Subject: [7120] Re: Grounding dipole
Message-ID: <3.0.5.32.19980329091703.00871ae0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

One method is to run your ladder line across a home brew piece of metal that is grounded into which you screw two spark plugs spaced the distance of your ladder line. The gaps are adjusted to prevent arcing when you are transmitting. A lightning strike will jump the gap to ground. The metal block needs to be grounded with a very short, very heavy cable (1/0, not more than 4 or 5 ft. long). So mount it right at the entry point of the house. Hope that description makes sense.

Another method is to use a DPDT Knife switch, running the ladder line to

the wiper, one pole to the rig, one pole to the ground system, and throw the switch to ground anytime you are not using your antenna. This presumes that, unlike Ben Franklin, you do not pursue your hobby during electrical activity.

Ed, N5EM

At 09:37 PM 3/28/98 -0500, you wrote:

>Any tips on how to ground a dipole using ladder feedline???

>73, Greg N2DYT

>

>

>

Ed Manuel, N5EM

Houston, Texas

n5em@amsat.org

n5em@flash.net

Date: Sun, 29 Mar 1998 09:38:57 -0500

From: Tracy@bytemark.com (Tracy)

To: "'MichaelN@cycat.com'" <MichaelN@cycat.com>, "QRP-L (E-mail)" <qrp-
l@Lehigh.EDU>

Subject: [7121] RE: Mobile Interference

Message-ID: <01BD5B02.3FAFF400.tracy@bytemark.com>

Good question regarding FCC and vehicles. I doubt that whomever designed these boards even considered that ...

-----Original Message-----

From: Michael Neverdosky [SMTP:MichaelN@cycat.com]

Sent: Sunday, March 29, 1998 7:08 AM

To: Low Power Amateur Radio Discussion

Subject: Re: Mobile Interference

Computers in businesses and homes have to meet standards for radiation, what about computers in vehicles? Anybody know the FCC rules section that would cover this?

Far and away the best place to suppress noise is on the board.

By proper layout and bypassing, with on-board filtering, radiation can be greatly reduced. The problem is that this must be done during design of each board.

michael N6CHV

Tracy@bytemark.com wrote:

>

> I've been reading the various posts regarding the reduction of interference
> generated by the automobile systems. Hang it up.

>

> The problem, on most new vehicles, is the various computers in and about the
> vehicles systems. Anti-lock breaks, fuel injectors and timing. More and more
> these circuits are controlled by computerized circuitry. Some of today's
> vehicles have entirely microprocessor controlled electrical and gauging
> systems.

Date: Sun, 29 Mar 1998 09:36:23 -0700

From: "James R. Duffey" <ji3m@maxwell.com>

To: "Adam B. Kanis" <adam-kanis@uiowa.edu>

Cc: qrp-1@Lehigh.EDU

Subject: [7122] R-2 Front End Comments and Suggestions

Message-ID: <v03007810b141705b4355@[192.31.66.158]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Adam - I have a few suggestions for your question about what to use for
front end filters for your R-2.

"Solid State Design" by DeMaw and Hayward has an appendix with bandpass
filter designs for the Ham Bands (sans WARC unfortunately) and other useful
frequencies as well. It also includes examples of matching into and out of
the filters and how to align the filters. I think it is one of the best
sources of information for front end filters. If you do much building and
designing the book is a worthwhile investment, even though it is a bit long
in the tooth.

The second source I recommend is an article by Wes Hayward on coupled tuned
circuits. It is reprinted in the "QRP Power" collection sold by the ARRL.
Great stuff-I think it is a must read for anybody designing a bandpass
filter.

You should think long and hard about the amplification in front of the R-2.
The R-2 has good strong signal handling capability and you don't want to
degrade it by a poor front end. The R-2 should have more than adequate
sensitivity and noise figure at 10 MHz and below, and maybe 14 MHz, and

thus not need a preamp. On higher frequencies you probably shouldn't use any more gain than necessary to get you below the external noise. 10 dB or less of gain should be plenty on all HF bands with the possible exception of 10 meter satellite work, and even then it will probably be adequate.

I do not know much about the strong signal handling capability of the MMICs, but I suspect that a discrete transistor amplifier would be better. Look at Solid State Design for some hints. Also you should look at some input circuits from good homebrew receivers; the 10/18 MHz image IF receiver in recent handbooks has a good front end, as does the "Progressive Communications Receiver" by Hayward and/or DeMaw in recent handbooks (I don't know if it is in the 98 Handbook or not).

I recall that Hayward and/or DeMaw made a high performance receiver for 160M and obtained the other bands by using converters. To my recollection the converter filtering consisted of a low pass filter followed by a band pass filter for the low bands. On the higher bands a preamp was used; I think the input filter to the amplifier was a low pass and the amplifier output filter was a band pass. As I recall the active device was a MOSFET and the strong signal handling capability was very good. I think that receiver is also in Solid State Design. I don't have a copy of that here.

You will need filtering before and after the amplifier. You should also look into providing some switchable attenuation, say 0, 6 dB, 12 dB in the front end to provide further improvement in strong signal rejection. This is an area which is often neglected in QRP receiver design, but the benefits can be great for a small investment.

Keep us posted. It sounds like you have a neat project going there. -
Duffey KK6MC/5

James R. Duffey <jj3m@maxwell.com> (505) 764-3143
Maxwell Technologies Inc. http://www.maxwell.com/
2501 Yale Blvd SE Suite 300
Albuquerque, NM 87106-4200

Date: Sun, 29 Mar 1998 11:46:06 -0500
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-1@Lehigh.EDU>
Subject: [7123] Fw: Book For Sale (separated)
Message-ID: <008001bd5b32\$2b8a0580\$19765acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The books went fast..... These are left...

-----Original Message-----

From: Tim Cook <timcook@erinet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Sunday, March 29, 1998 8:20 AM
Subject: Book For Sale (separated)

>1. Low Profile Amateur Radio by Jim Kearman, KR1S \$6
>2. How to get started in QRP by Dave Ingram, K4TWJ \$6

>All books are in exc to new condition. , Prices include US Mail Book Rate
>
>
>

Date: Sun, 29 Mar 1998 10:49:06 -0600 (CST)
From: KB9JJA QRP Account <qrp@thekeep.mcs.accessus.net>
To: Vincent Ferme <vferme@sprint.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7124] Re: Fw: FT-243 XTAL Socket.
Message-ID: <Pine.LNX.3.93.980329104758.419A-100000@thekeep.mcs.accessus.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Antique Electrical Supply has the xtal holders you are looking for.
These are hard critters to find. I
looked at the ham fests for a long time, and finally found them at AES

73's and type at ya later, de kb9jja/dale

On Thu, 26 Mar 1998, Vincent Ferme wrote:

> Hi Paul,
>
> Good idea!! I did not know it would fit.
>
> I am changing my request to a standart octal vacuum tube socket.....just
> kidding, should be able to find it locally.
>

> Thanks to all.
>
> 73/72,
>
> Vince, VE3VFN.
>
> P.S. If this is a double posting I apologize, I have not seen the first one.
>
> >-----Original Message-----
> >From: Paul Lundy <plundy@max.state.ia.us>
> >
> >
> >>Hello Vincent, If you can't find the exact type of socket you are
> >>seeking, you can always use a ye olde standard octal vacuum tube (valve)
> >>socket. One socket will hold two FT-243s at the same time because the
> >>pin spacing is just right. As a matter of fact, my first commercial kit
> >>72/73 Paul, K0LKH
> >
> >
>
>

Date: Sun, 29 Mar 1998 12:25:27 -0500
From: Kevin Walker <KB9NUN@compuserve.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [7125] 38 Special Problem
Message-ID: <199803291225_MC2-3846-F74E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

I realize this is probably a old problem to most on the list, but a new one
to me. I am building a 38S and have run into a problem that at this point
has me stumped. =

Built the kit stock at this point, no options have been attempted. No
smoke on power up, good sign I guess! I get as low hiss from the
headphones. I also get a side-tone during key down. But really nothing =
on
the receive portion. Both the RF gain and tuning pots seem to have no

control. Thankfully I was given a package of previous posting about the 38S, one of them being a trouble shooting guide.

So here is were I am at this point. =

The troubleshooting guide I have says I should have 0v on rx at U2/5 & 6,=

U2/6, U4/7 and banded side of D1 and D2. My copy has the 0v crossed off and a 5v written next to it. I have 5v at D1 and D2 but nothing at the remaining points. If I pull U4 from the circuit the voltage goes up to about 7v at those points. Is U4 bad? All the other things in the troubleshooting portion seem to be fine up to this point. =

I've gone thru and looked for parts stuffed wrong, but haven't found anything yet.

Any suggestions from anybody?

Thanks for the bw

73,

Kevin/KB9NUN

=

Date: Sun, 29 Mar 1998 10:11:22 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <qrp@thekeep.mcs.accessus.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7126] Re: Fw: FT-243 XTAL Socket.
Message-ID: <19980329181129.AAA22187@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Good news, bad news

Good news first...Anyone looking for FT-243 sockets ought to be aware that the old octal sockets (8-pin, approx 1" diameter) for tubes nicely accomodate a pair of FT-243 xtals.

Bad news...I haven't seen octal tube sockets in any electronics' stores for years. Good luck, best 73/72 de Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>

alan.kaul@worldnet.att.net
w6rc1@amsat.org

Date: Sun, 29 Mar 1998 00:38:58 -0600
From: "Bruce Barley" <lbbarley@feist.com>
To: <Tracy@bytemark.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7127] Re: Mobile Interference
Message-ID: <199803291838.MAA21974@wichita.fn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Guys - Consider that when you save \$.01 per board, and you make 1 million boards, you have just made an extra \$10,000 profit for the corporate stock holders. There is not a single component on the board that does not ABSOLUTELY have to be in the circuit unless it is a:) required by Government regulation, or b:) required for minimum circuit performance. There is NOTHING ADDITIONAL in any circuit (and that includes the fuel pump) just so that some wacked out middle aged male can play with his particular toys. After all, the average price of a new automobile in the USA is not too much over \$20,000. What do you expect?

Bruce KB0PZD
lbbarley@feist.com

> From: Tracy <Tracy@bytemark.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: RE: Mobile Interference
> Date: Sunday, March 29, 1998 8:38 AM
>
> Good question regarding FCC and vehicles. I doubt that whomever designed these
> boards even considered that ...
>
> -----Original Message-----
> From: Michael Neverdosky [SMTP:MichaelN@cycat.com]
> Sent: Sunday, March 29, 1998 7:08 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Mobile Interference
>
> Computers in businesses and homes have to meet standards for radiation,
> what about computers in vehicles? Anybody know the FCC rules section that
> would cover this?
>

> Far and away the best place to suppress noise in on the board.
> By proper layout and bypassing, with on-board filtering, radiation can be
> greatly reduced. The problem is that this must be done during design of
> each board.
>
> michael N6CHV
>
> Tracy@bytemark.com wrote:
> >
> > I've been reading the various posts regarding the reduction of
interference
> > generated by the automobile systems. Hang it up.
> >
> > The problem, on most new vehicles, is the various computers in and
about the
> > vehicles systems. Anti-lock breaks, fuel injectors and timing. More and
more
> > these circuits are controlled by computerized circuitry. Some of
today's
> > vehicles have entirely microprocessor controlled electrical and gauging
> > systems.
>
>
>

Date: Sun, 29 Mar 1998 14:01:35 -0500
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-1@Lehigh.EDU>
Subject: [7128] Books Gone!!!
Message-ID: <011f01bd5b45\$18f321a0\$19765acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded, the books have all been sold.
Thanks
Tim
NZ8J

Date: Sun, 29 Mar 1998 11:01:56 -0800 (PST)

From: talljazz@teleport.com (Dan Presley)
To: kc5tja@topaz.axisinternet.com
Cc: qrp-1@Lehigh.EDU
Subject: [7129] Re: Observations: HW CPY?
Message-ID: <v0153050cb143014d4e7f@[204.202.160.112]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sam-with all due respect; lighten up a bit over the HW CPY issue. It's a very convenient and acceptable way to turn the qso back over to whoever you're talking to-at the end of a transmission (from me to you) I send HW SAM?; in other words, it's your turn, and I hope that qrm, qrn, qsb, the dog, your wife, or something else hasn't prevented you from copying my comments. Yes, it is traditional, and very useful to signify that it's your turn and you haven't lost me somewhere along the line. It sure beats "OK Sam, now it's your turn and turn it back to you", or the even worse "Bk to u" which always sounds like "break to you". HW? (which I prefer to HW CPY?) is a very simple, succinct and useful way to turn it over. I learned it from working a lot of patient 'old timers' when I started out in CW- I soon realized that the collective wisdom of 70+ years of operating by these guys was well worth studying and emulating as it made for smooth qsos and good conversation. Anyway, Sam (and anyone else) when you work me (and I hope I get the chance) I'll be using HW SAM? along with a few other good abbreviations, and I hope they continue in use-that's what makes it all fun!

Dan N7CQR

Date: Sun, 29 Mar 1998 11:05:30 -0800
From: Monte Stark <ku7y@dri.edu>
To: lbbarley@feist.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7130] Re: Mobile Interference
Message-ID: <351E9B7A.8DCFD94@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

Bruce is right on the money!

Let me add one other little observation.....

There is no one holding a gun to our heads and making us buy these overpriced junk boxes!

It's like moving into a house with CCR's that say no antennas and then complaining about it.

Before you buy or not buy, you must agree with whatever you have chosen to do!

Not meant as a flame. Just pointing out that there are alternatives!

OBQRP:

I tried a little QRP SSB. Seems to work as well as 100w did the other day when I tried it. I set the rig to 5w on cw and then changed to SSB. Guess that makes me around 5w out!

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Sun, 29 Mar 1998 13:53:53 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7131] GM-15
Message-ID: <351EB4E1.5B1B@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just worked my first dx station with my new GM-15. Worked TI2WGO in Costa Rica. He gave me a 599 and I gave him a 579...Sort of odd, since he was running 100 watts and I was only running 2 watts!! Anyhow, I'll take the good signal report.

I have been listening to my IC-706 along with the GM-15 and find the receiver to be actually hotter in the GM-15. Filtering is certainly better. Also I like the super quick QSK, and quiet receiver. Transmitted signal is very clean also. Tomorrow I will stuff the rig in the Lansing enclosure(worth 20 bux for sure).

Can't wait to build the new SW series. Think I will get it for 30 meters.

72, Tom WB5QYT

Date: Mon, 30 Mar 1998 13:55:01 -0700
From: "Charles L. Stackhouse" <cstack@safelink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [7132] Solomon Islands
Message-ID: <19980329211219189.AAB90@safelink.safelink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Love those sunspots ... just worked H44RY on 21.249 on 5w SSB (that's what the wattmeter read when I whistled into the mike) during the contest. Rig is Icom 765 turned down to QRP via ALC jack, antenna is GAP vertical.

73, Charlie WA2IPZ QRP-L #362 Burley, Idaho

Date: Sun, 29 Mar 1998 16:30:52 -0800
From: engineering <clinco@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [7133] TenTec/Arg. 509
Message-ID: <351EE7BC.441E@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale one Arg. 509 with power supply-TenTec digital readout model 244- Shur Brothers Inc. controlled Magnetic Microphone Model 450.
Packaged Deal: Asking 260 which include S&H. james KD4QHB

Date: Sun, 29 Mar 1998 14:40:25 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Kevin Walker <KB9NUN@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7134] Re: 38 Special Problem
Message-ID: <Pine.SOL.3.91.980329142819.12044A-100000@zia>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 29 Mar 1998, Kevin Walker wrote:

> I am building a 38S and have run into a problem that at this point
> has me stumped.
>
> The troubleshooting guide I have says I should have 0v on rx at U2/5 & 6,
> U2/6, U4/7 and banded side of D1 and D2. My copy has the 0v crossed off
> and a 5v written next to it.

U2 pins 5 and 6 are the control pins for two of the four switches in the 4066. Both come off term RX-, which means 0v on receive and about 8v on transmit.

> I have 5v at D1 and D2 but nothing at the remaining points.

The common point at D1-D2-R3 junction, you should have about 5v on receive and 8v on transmit. On the other side of the diodes (NOT the banded side) you should have around 8v at all times.

Not sure what you mean by "the remaining points."

> If I pull U4 from the circuit the voltage goes up to
> about 7v at those points. Is U4 bad?

Check for proper Vcc=8v coming out of the voltage regulator VR1 and that 8v is getting to the Vcc pins on all the IC's, especially that you have 8v on pin 20 of the HC240. With 8v in, the high logic level out should be pretty close to 8v.

For example, look at the inverter section used to convert the KEY down to the RX- term ... U4F. With key UP, you should have 6-7v on the input (pin 13) and very close to 0v on the output (pin 7). On key DOWN, pin 13 goes to 0v, and pin 7 should go very close to 8v (7.6v). If you only get 5v there, AND 8v on U4 pin 20, I would suspect the HC240, or something is seriously loading down the RX- line.

Look at the parts placement again, diodes in the proper way and for a solder splash or bridge that may be shorting something out. Usually when that is the problem, you'll miss it the first five times you look for it -hi.

GL, Paul NA5N

Date: Sun, 29 Mar 1998 14:24:19 -0800
From: K6MW@worldinfonet.com
To: mike wood <K6MW@worldinfonet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7135] QRP Plus for sale
Message-ID: <351ECA13.697D@worldinfonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale, Index Laboratories QRP Plus.

Absolute MINT condition, Factory manual and box
Less than 10 hours on the rig. Works perfectly
No Modifications, Stock condx

All Band Operation, 160M-10M
General Coverage receiver 1.8mhz-29.7mhz
20 Memories
SCAF digital filters, 100hz-2400hz
SSB and Full break in CW
Built in Iambic Keyer
Factory Mic
\$400 and I'll pay shipping and insurance

If interested, Email or call mike at 707.449.03145

73, mike K6MW

Date: Sun, 29 Mar 1998 18:21:52 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [7136] Pblm with Sierra 15m module...
Message-ID: <Pine.LNX.3.95.980329181657.32464A-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Am building. Have wound all toroids as required.

Re-checked six times.

RX is great (can be peaked nicely).

Can't push power out on either of 2 Sierras (except when I DROP the drive considerably). Either two Sierrae are screwed up (built by different people at different times & locales) or this module is.

TX/RX Lowpass filter is working, I think.

On a scope I do get 50 mV p-p of around 21 MHz.

Doesn't want to get amplified.

Any ideas? I'm looking for yet another Sierra or a BUILT 15m module to compare this one with.

Frustrating. Anyone come up with similar problems? Solutions?

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Sun, 29 Mar 1998 15:34:05 -0700
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [7137] New bug story
Message-ID: <351ECC5C.8D35800B@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

I just put up another new bug story on the web page and have added a couple of things.

<http://www.qsl.net/n0tffi/bug.html>

--
Jess N0TFI <><
<http://www.concentric.net/~jessqrp> Personal Home page
<http://qsl.net/N0TFI> Fox Audio Page

Date: Sun, 29 Mar 1998 14:49:29 -0800
From: "Dennis B. Dolle" <dolledb@cet.com>
To: <qrp-1@Lehigh.EDU>
Subject: [7138] Lead Bending
Message-ID: <001e01bd5b64\$f1a19e40\$685a60ce@dolledb>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_001B_01BD5B21.E0A4FF80"

This is a multi-part message in MIME format.

-----=_NextPart_000_001B_01BD5B21.E0A4FF80
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Fellow masochists,

I don't think that it is too important which method of bending leads one =
uses. I do believe it is very important to bend leads to the proper =
dimensions to match printed circuit board hole demensions before =
installing components. When leads are bent too short or long to match =
circuit board hole spacing small shavings of tin or lead material can be =
scraped off the leads as they are pulled through the holes. These tiny =
shavings can short circuit traces or find their way into components to =
wreak all kinds of mysterious havoc. A lead bender is cheap insurance, =
but any method of bending leads to keep them from being shaved on the =
edges of the circuit board holes is beneficial.

Dennis, NX5W

-----=_NextPart_000_001B_01BD5B21.E0A4FF80
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV>Fellow masochists,</DIV>

<DIV> </DIV>
<DIV>I don't think that it is too important which method =
of bending=20
leads one uses. I do believe it is very important to bend leads to =
the=20
proper dimensions to match printed circuit board hole demensions before=20
installing components. When leads are bent too short or long to =
match=20
circuit board hole spacing small shavings of tin or lead material can be =
scraped=20
off the leads as they are pulled through the holes. These tiny =
shavings=20
can short circuit traces or find their way into components to wreak all =
kinds of=20
mysterious havoc. A lead bender is cheap insurance, but any method =
of=20
bending leads to keep them from being shaved on the edges of the circuit =
board=20
holes is beneficial.</DIV>
<DIV> </DIV>
<DIV>Dennis, NX5W</DIV></BODY></HTML>

-----_NextPart_000_001B_01BD5B21.E0A4FF80--

Date: Sun, 29 Mar 1998 14:58:10 -0800
From: Frank <frank001@postoffice.worldnet.att.net>
To: ham@w3eax.umd.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7139] Re: Pblm with Sierra 15m module...
Message-ID: <351ED202.3938@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Scott Rosenfeld [NF3I] wrote:

>
> Am building. Have wound all toroids as required.
>
> Re-checked six times.
>
> RX is great (can be peaked nicely).
>
> Can't push power out on either of 2 Sierras (except when I DROP the drive
> considerably). Either two Sierrae are screwed up (built by different

> people at different times & locales) or this module is.
>
> TX/RX Lowpass filter is working, I think.
>
> On a scope I do get 50 mV p-p of around 21 MHz.
>
> Doesn't want to get amplified.
>
> Any ideas? I'm looking for yet another Sierra or a BUILT 15m module to
> compare this one with.
>
> Frustrating. Anyone come up with similar problems? Solutions?
>
> * Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
> * 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
> * <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
> *** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

I found the tuning VERY peaky on this module and the 10 m module.
No power out unless the two tuning caps were very close to the proper
setting. I just adjusted them in small increments until I started to see
some output power. Again the setting is very critical.

Date: Sun, 29 Mar 1998 15:55:52 +0100
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: Anita & Bob Drake <swahilibob@aol.com>, Chris Moan <cmoan@nextdim.com>, Dawn
Soehren <dsoehren@kcls.org>, Don Collins <collins4@nwineternet.com>,
Don Tuttle <dwtuttle@ghnw.ghc.org>, Jim Madnick <jmad@juno.com>, John
Brownfield <JBrownfiel@aol.com>, Linda Sims <SimSoller@webtv.net>,
Subject: [7140] [Fwd: Virus Alert]
Message-ID: <351E60F8.575A38DE@nextdim.com>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----7CF3587EEBE298F4894FC8A6"

This is a multi-part message in MIME format.
-----7CF3587EEBE298F4894FC8A6
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--
Chuck Snyder (KD7BBF)
<http://www.nextdim.com/users/csnyder/index.htm>

QRP-L #1462
Spokane, WA

-----7CF3587EEBE298F4894FC8A6
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Received: from owl.ewu.edu [146.187.128.22] by nextdim.com with ESMTTP
(SMTPD32-4.03) id A4C41694004C; Sat, 28 Mar 1998 23:14:12 PST
Received: from mail.ewu.edu by mail.ewu.edu (PMDF V5.1-10 #23191)
id <01IV7TYC46HSQPIE4I@mail.ewu.edu> for csnyder@nextdim.com; Sat,
28 Mar 1998 23:15:57 PST
Date: Sat, 28 Mar 1998 23:15:55 -0800 (PST)
From: klam@mail.ewu.edu
Subject: Virus Alert
To: Ben Tiscareno <snow_rider@juno.com>, Khoi Nguyen <khoi@u.washington.edu>,
Myla Honkanen <myla19@juno.com>, Tracy Kimmel <TK277168@wcupa.edu>,
Sean McKinnie <sjmck@yahoo.com>, Nallely Galvan <chirris@juno.com>
Cc: Chuck Snyder <csnyder@nextdim.com>
Message-id: <Pine.PMDF.3.95.980328231449.1614969090C-1000000@mail.ewu.edu>
X-Envelope-to: csnyder@nextdim.com
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

> > >>>>>><VIRUS WARNING>
> > >
> > >>>>>>If you receive an e-mail titled "WIN A HOLIDAY" DO NOT open it,
> > >
> > >>>>>>it will erase everything on your hard drive. Forward this letter
> > >
> > >>>>>>out to as many people as you can. This is a new, very malicious
> > >
> > >>virus
> > >
> > >>>>>>and not many people know about it. This information was
announced
> > >
> > >>>>>>yesterday morning from Microsoft, please share it with everyone
> > >that
> > >
> > >>>>>>might access the Internet. Once again, pass this along to
EVERYONE
> > >
> > >>in
> > >
> > >>>>>>your address book so that this may be stopped. Also, do not open

or
> >> >
> >> >>>>>even look at any mail that says "RETURNED OR UNABLE TO DELIVER"
> >> >this
> >> >
> >> >>>>>virus will attach itself to your computer components and render
> >> >them
> >> >
> >> >>>>>useless.
> >> >
> >> >>>>>Immediately delete any mail items that say this. AOL
> >> >
> >> >>>>>has said that this is a very dangerous virus and that there is
NO
> >> >
> >> >>>>>remedy for it at this time. please practice cautionary measures
and
> >> >
> >> >>>>>forward this to all your on-line friends.
> >> >
> >> >>>>> <Kimberly J. Griggs>
> >> >
> >> >>>>> Accounting Manager
> >> >
> >> >>>>> Gateway Systems Corporation
> >> >
> >> >>>>> 4660 S. Hagadorn, Suite 110
> >> >
> >> >>>>> East Lansing, MI 48823-5353
> >> >
> >> >>>>> (517) 337-8960
> >> >
> >> >>>>>
>
> Lien Le
> Daniel Elementary
> 11310 S.E. 248th
> Kent, WA 98031
> (206) 813-7615
> (206) 813-7617 (fax)
> lle@kent.wednet.edu
>

-----7CF3587EEBE298F4894FC8A6--

Date: Sun, 29 Mar 1998 17:53:33 EST
From: wa8rxi@juno.com (Rick Arzadon)
To: qrp-1@Lehigh.EDU
Subject: [7141] TIXIE Power out is 5mW
Message-ID: <19980329.230021.4775.0.WA8RXI@juno.com>

Put together the TIXIE per QRPp (Winter 97). I built it for the 40 Meter Band.

All parts are per the schematic, except the 7.040 XTAL and L3 = 1.0 uH.

I am getting 5mW per an OHR WM-2 QRP Wattmeter.

Following are some DC Voltages measured while Rig was in the receive mode.

Junction of R9/C3 = 8.05V

.....L1/C5 = 8.77V

.....R1/C3 = 7.54V

.....R2/C1 = 7.29V

.....L2/C4 = 8.58V

The above is with a 9V battery as the supply.

I also notice that the Forward/Reflected Power on the WM-2 is approx. the same.

Any suggestions as to what might be going on with the TIXIE ?

TNX for any assistance that may help get my TIXIE to its 200-300 mW range.

72, Rick Arzadon - WA8RXI Taylor, MI.

[QRP-L #1368][ARCI #9050][MI-QRP #587][G-QRP #9125][HI-QRP #32]

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 29 Mar 1998 16:01:55 +0100
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [7142] re: virus alert
Message-ID: <351E6263.96D07A46@nextdim.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

I just wanted to add this advice: that a virus cannot affect anything on your computer system when the so called text file is supposedly the malicious virus. It must be appended to some program or opened by some other program. So, that prior message maybe wasted bandwidth...SORRY!

--

Chuck Snyder (KD7BBF)
<http://www.nextdim.com/users/csnyder/index.htm>
QRP-L #1462
Spokane, WA

Date: Sun, 29 Mar 1998 16:15:19 -0600
From: jerrydeen@juno.com (Gerald A Huldeen)
To: qrp-l@Lehigh.EDU
Subject: [7143] Hamboree 20/Dakota/Midwest Convention
Message-ID: <19980329.163102.10054.1.Jerrydeen@juno.com>

Hi gang-

Several on the list have asked about the qrp sessions at this Hamboree, that Ade Weiss, W0RSP will be presenting. Here is the info.

On Friday, May 29, the QRP session will be at 2:15 p.m., and on Saturday, May 30 at 9:15 a.m. The Hamboree is held in the Marina Inn, 4th & B Street, South Sioux City, NE. You can contact the Marina Inn at 800-798-7980, or the Travelodge, 400 Dakota AV, (402)494-3046. Let me know by private e-mail if you would like a flyer about other activities.

If there is interest in other QRP activities such as breakfast, additional meeting, etc., the chairman has offered to work with the Marina for a room or location for meal. Let me know by private e-mail if you are interested.

In calling for motel rooms, be sure to mention Hamboree 20 for your

special rate.

Thanks for the use of the list to get this info out.

e-mail to: Jerrydeen@Juno.com or Jerrydeen@aol.com

Jerry WB0T
Sioux City, IA
QRP-L #1268, ARCI #5641, FISTS #3807
jerrydeen@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 29 Mar 1998 18:14:54 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: ka8okh@som-uky.campus.mci.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7144] Re: Ham Radio Mag Query
Message-ID: <351ED5ED.817D8664@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rich Dailey, KA8OKH wrote:

> Trust me, this is qrp related. In what year did Ham Radio
> Magazine begin publication?

1969...give or take a year. i remember seeing issue No. 1 at the
Harrison Radio Sideband Show during my senior year of HS.

Henry

Date: Sun, 29 Mar 1998 18:22:11 -0500
From: Greg & Rosemarie Gryckiewicz <rfg@acsu.buffalo.edu>

To: qrp-l@Lehigh.EDU
Subject: [7145] grounding dipoles that use ladder feedline
Message-ID: <351ED7A1.378D@acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tnx to all for your advice. I'm sorry I wasn't more specific in mentioning my concern for lightning protection. Having a hard time though trying to locate a knife switch. Is anyone aware of where one might be purchased...73 Greg

Date: Sun, 29 Mar 1998 18:37:43
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [7146] SSB Contest
Message-ID: <3.0.3.16.19980329183743.22cf5592@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Got on the SSB contest this weekend using 10 watts pep on 15, 20 and a little 40. For the most part, I only called DX stations and worked all most all I called, eventually :-)

Mid afternoon Saturday, I ran outside and extended the 18 Mhz legs on my dipole to work on 20, and was suprised at how many stations I could work through the din.

Looks like I got about 15 countries out of 36 contacts. Most countries I've worked in one sitting for quite a while. Best DX was Germany and Italy, on 20.

72,

Steve, KD1JV, White Mountians, NH

"Don't Crush that Dwarf, hand me the pliers"

End of QRP-L Digest 1044
